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# 囊裸藻属一新种

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# A new species of *Trachelomonas* (Euglenophyta) from China

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**Key words** *Trachelomonas*; *T. heteromorpha* Q. X. Wang; New species; China
**关键词** 囊裸藻属; 异形囊裸藻; 新种; 中国

**异形囊裸藻** 新种 图1, 图2
**Trachelomonas heteromorpha** Q. X. Wang, sp. nov. Fig. 1, Fig. 2

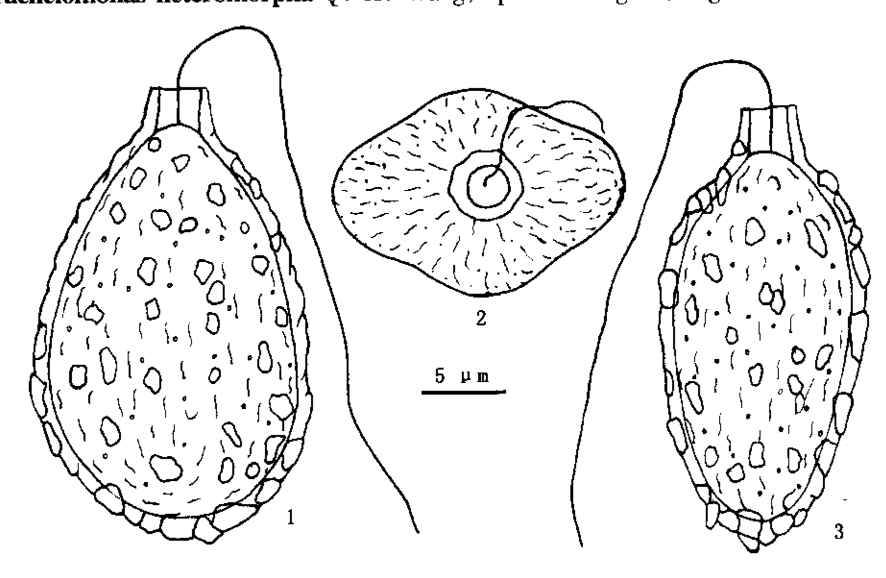



图1 异形囊裸藻 1. 正面观; 2. 顶面观; 3. 侧面观。
Fig. 1 *Trachelomonas heteromorpha* Q. X. Wang 1. Front view; 2. Top view; 3. Side view.

Species nova cum *T. granulatopsi* Shi congruens, sed a qua lorica ovata e fronte visa, obovata e latere visa, poro flagelli collo instructo distincta.

Lorica ovata a fronte visa, antice angusta, postice late rotundata et plerumque inspissta, interdum caudato-papillata, obovata a latere visa, antice lata, postice angusta, brunnea vel fulva. Superficies loricae scabrosa, tuberculis irregularibus et punctis sparsis instructa (lorica per microscopum electronicum visa e granis composita). Porus flagelli collo recto vel paulo obliquo antice paulo angusto margine planiusculo instructus. Flagellum longitudine loricam aequans vel ea paulo

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longius. Lorica 23.5 ~ 24 μm longa, 16 ~ 18 μm lata, 12 ~ 14 μm crassa; collum 3 ~ 4 μm altum, parte angusta circa 3 μm latum, parte basilari 4 ~ 4.5 μm latum, poro colli circa 3 μm diam.

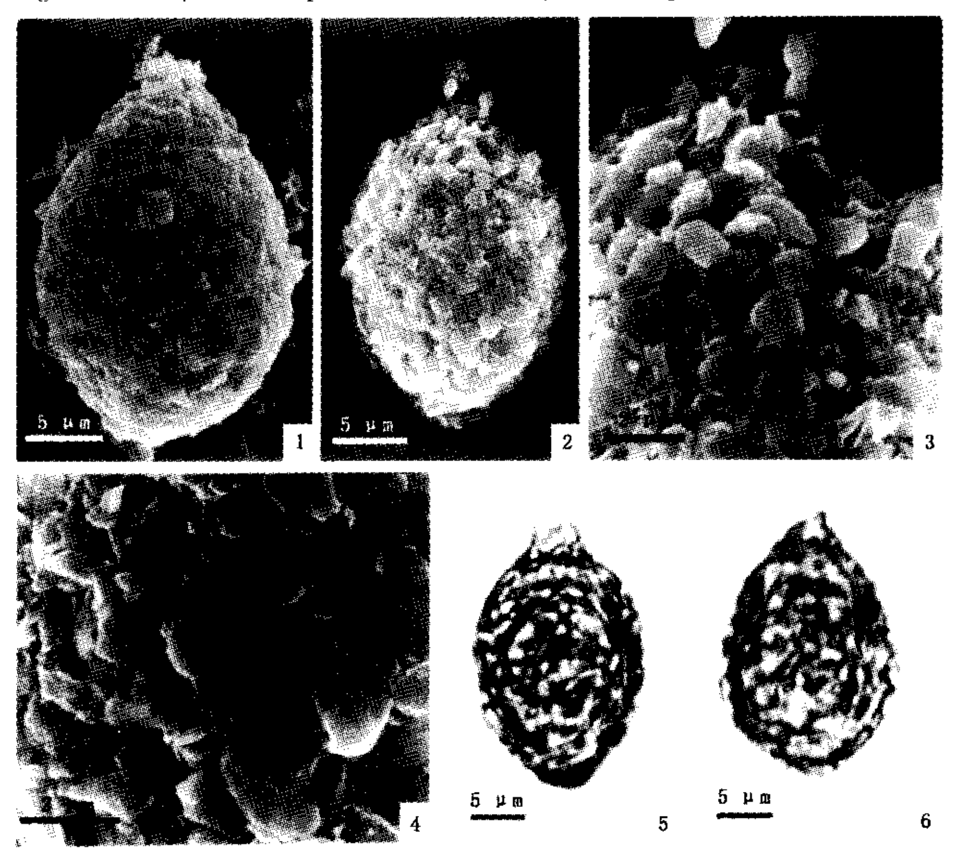



图2 异形囊裸藻 1~4. 囊壳扫描电镜照片 1. 正面观; 2. 侧面观; 3. 前部放大; 4. 中部放大。5~6. 光镜照片 5. 正面观; 6. 侧面观。

Fig. 2 *Trachelomonas heteromorpha* Q. X. Wang 1~4. SEM micrographs of lorica 1. Front view; 2. Side view; 3. Magnification of anterior; 4. Magnification of middle part of lorica. 5~6. LM micrographs of lorica 5. Front view; 6. Side view.

**China. Heilongjiang** (黑龙江): Mudanjiang (牡丹江), Ningan (宁安), in rice field, water temp. 27℃, pH7.5, 1995-07-05, Q. X. Wang (王全喜) HLJ95118 (holotype, here designated, HANU).

囊壳正面观卵形,前端窄,后端宽圆且常加厚,有时具小的乳头状尾突;侧面观倒卵形,前端宽,后端狭窄。褐色或黄褐色。表面粗糙,具不规则的瘤状突起和稀疏的细点纹;电镜下观察囊壳由块状颗粒组成,具稀疏孔纹;鞭毛孔具一直或稍斜的领,领口平截;领的前端较基部窄,内径上下一致。鞭毛比囊壳稍长或等长。囊壳长 23.5 ~ 24 μm,宽 16 ~ 18 μm,厚 12 ~ 14 μm;领高 3 ~ 4 μm,前端宽约 3 μm,基部宽 4 ~ 4.5 μm,内径约 3 μm。

新种与拟颗粒囊裸藻 *T. granulatopsis* Shi 相近,但鞭毛孔具领,囊壳正面观卵形,侧面观倒卵形,易与后者区别。

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